

**METHOD FOR MAPPING ENVIRONMENTAL RESOURCES TO
MEMORY FOR PROGRAM ACCESS**

Abstract of the Disclosure

5 A network of microcontrollers for monitoring and diagnosing the environmental
conditions of a computer is disclosed. The network of microcontrollers provides a
management system by which computer users can accurately gauge the health of their
computer. The network of microcontrollers provides users the ability to detect system
fan speeds, internal temperatures and voltage levels. The invention is designed to not
10 only be resilient to faults, but also allows for the system maintenance, modification,
and growth--without downtime. Additionally, the present invention allows users to
replace failed components, and add new functionality, such as new network interfaces,
disk interface cards and storage, without impacting existing users. One of the primary
roles of the present invention is to manage the environment without outside
15 involvement. This self-management allows the system to continue to operate even
though components have failed.

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